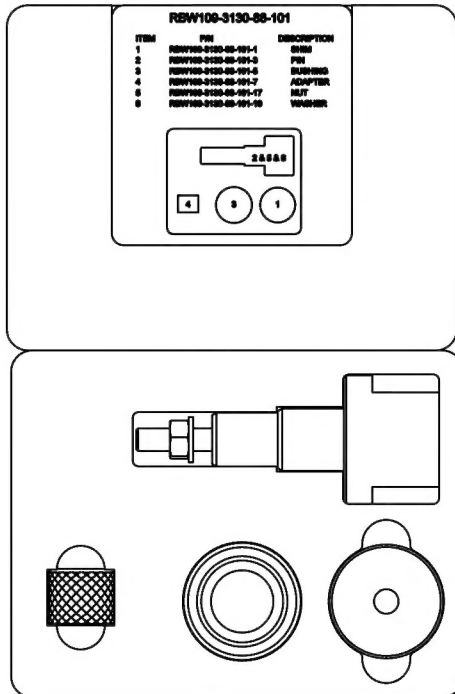
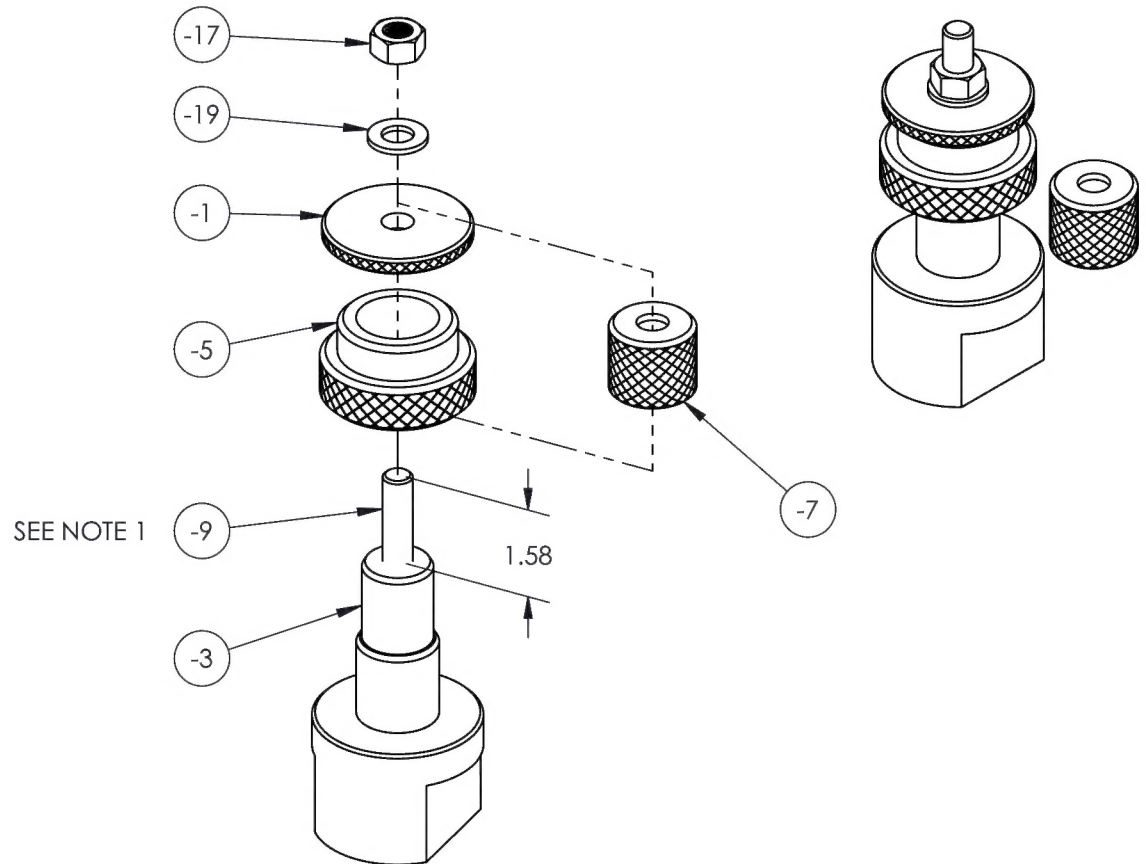


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
A	SHT 8 CORRECTED LAYOUT #5, 3 WAS 5, 2 & 5 & 6 WAS 1 & 5 & 6.	11/30/2012	JAG	
1A	-11 DIM WAS 9.19 IS 9.41. -13 DIM WAS 7.12 IS 7.19. CHANGED PLACARD CUTOUT DEPTH WAS .06 IS .125.	1/3/2013	BIM	SE



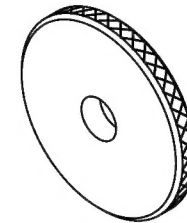
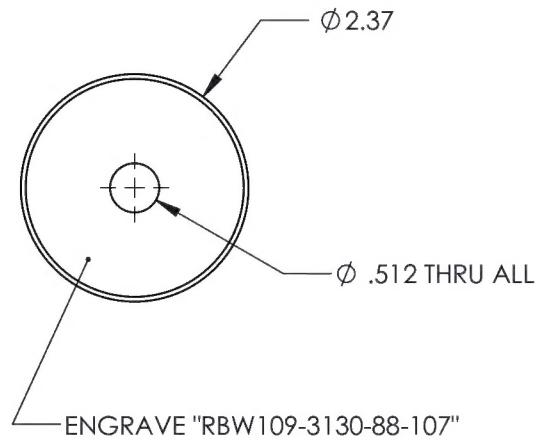
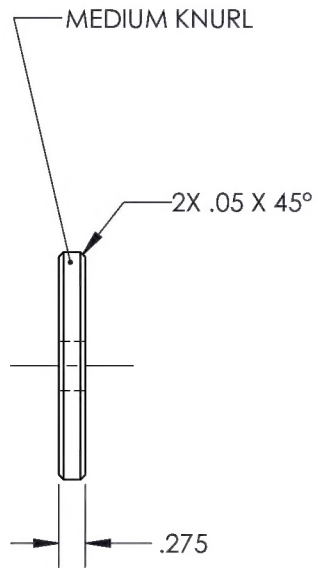
NOTE:
USE PERMANENT THREAD LOCKER ON -9 STUD.

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	SHIM	4140 Q & T	Ø2-1/2 X 3/8	2
			-3	1	PIN	4140 Q & T	Ø2-3/4 X 4-7/8	3
			-5	1	BUSHING	4140 Q & T	Ø2-5/8 X 1-1/2	4
			-7	1	ADAPTER	4140 Q & T	Ø1-3/8 X 1-5/16	5
		B/O	-9	1	STUD	STEEL	M12 X 1.75 X 60mm MCMaster-CARR #93675A370	1
			-11	1	BOTTOM TOOL CUSHION	Y-20, BLACK	9.19 X 7.23 X 2.93	6
			-13	1	TOP TOOL CUSHION	C200 BLACK, FLAT	7.12 X 9.37 X 1.19	7
			-15	1	PLACARD	ALUMINUM	1/16 X 5 X 5	8
		B/O	-17	1	NUT	STEEL	M12 X 1.75 MCMaster-CARR #92497A500	1
		B/O	-19	1	WASHER	STEEL	M12 MCMaster-CARR #91166A290	1
		B/O	-21	1	CASE	PLASTIC	PELICAN APP-1200-E	NS

RED BARN MACHINE			
TITLE			
T/R HUB TRUNNION CENTERING			
DWG NO.			REV
RBW109-3130-88-101			1A
MAT'L		DRAWN BY: GILBERT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED <i>D Weil</i>	
.XXX ± .005		HEAT TREAT	
.XX ± .01		FINISH	
.X ± .1		SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		USED ON MODEL	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		AW119	
SCALE	DATE	SHEET 1 OF 8	
1:3	1/31/2012		

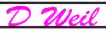
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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
			APPROVED



①

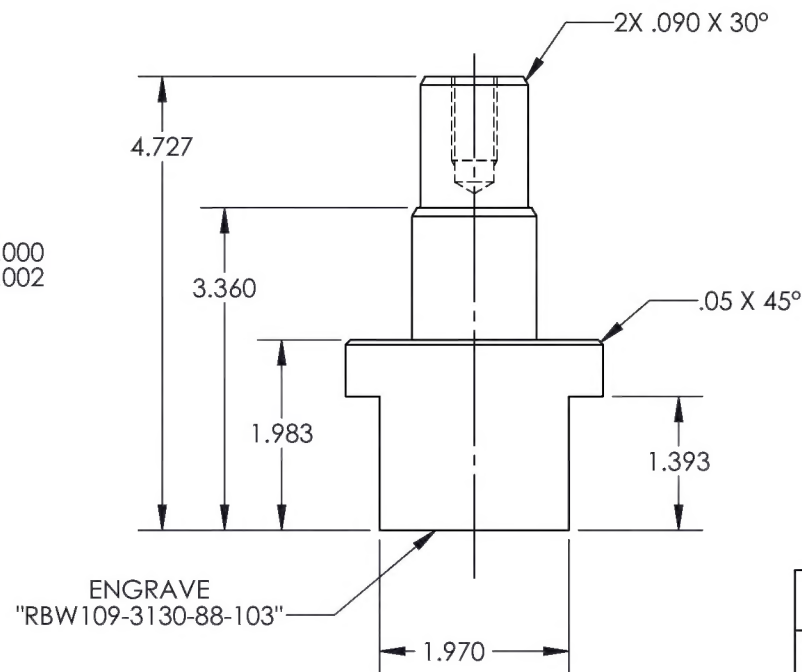
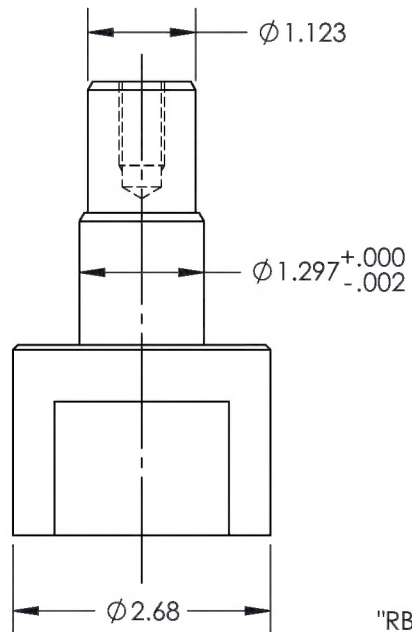
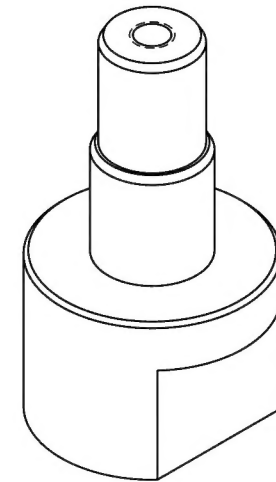
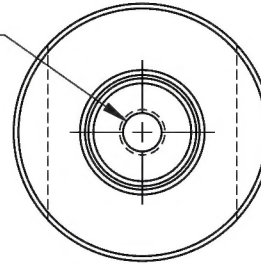
SHIM

 RED BARN MACHINE	
TITLE T/R HUB TRUNNION CENTERING	
DWG NO. RBW109-3130-88-101-1	REV 1A
MAT'L 4140 Q & T	DRAWN BY: GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° .X ± .1	APPROVED 
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	HEAT TREAT FINISH CAD PLATE YELLOW SPEC QQ-P-416F, TYPE II, CLASS II USED ON MODEL AW119
SCALE 1:2	DATE 1/31/2012
SHEET 2 OF 8	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL

M12X1.75 - 6H ∇ .875



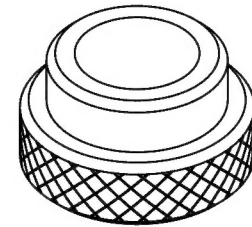
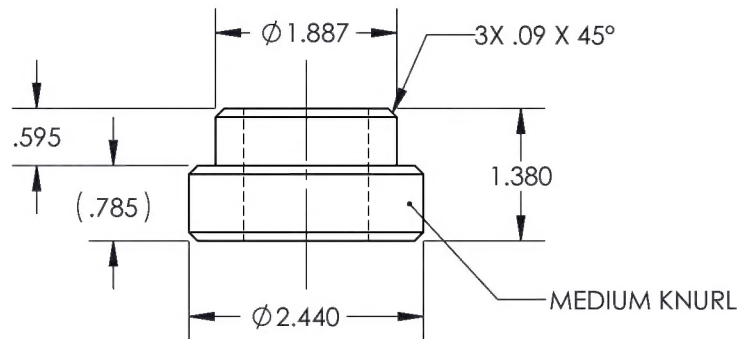
(-3)

PIN

 RED BARN MACHINE	
TITLE T/R HUB TRUNNION CENTERING	
DWG NO. RBW109-3130-88-101-3	REV 1A
MAT'L 4140 Q & T	DRAWN BY: GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX \pm .005 .XX \pm .01 .X \pm .1	HEAT TREAT CAD PLATE YELLOW
FRACTIONS \pm 1/32 ANGLES \pm 5°	SPEC QQ-P-416F, TYPE II, CLASS II
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL AW119
SCALE 1:2	DATE 1/31/2012
SHEET 3 OF 8	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
			APPROVED



(-5)

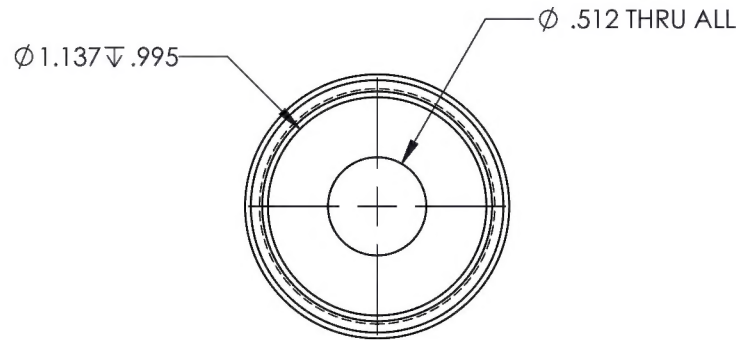
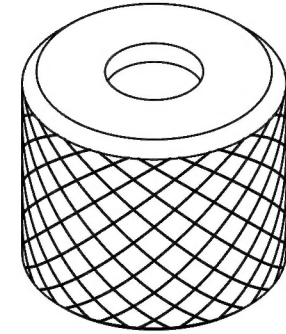
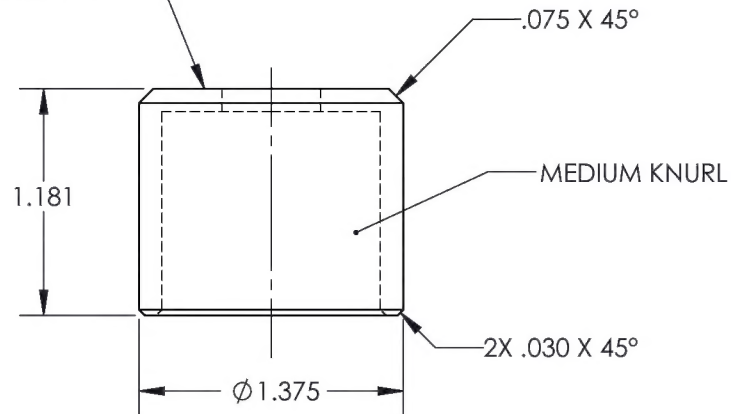
BUSHING

 RED BARN MACHINE	
TITLE T/R HUB TRUNNION CENTERING	
DWG NO. RBW109-3130-88-101-5	REV 1A
MAT'L 4140 Q & T	DRAWN BY: GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX \pm .005 .XX \pm .01 .X \pm .1 FRACTIONS \pm 1/32 ANGLES \pm 5°	APPROVED  HEAT TREAT CAD PLATE YELLOW SPEC QQ-P-416F, TYPE II, CLASS II USED ON MODEL
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:2	DATE 1/31/2012
SHEET 4 OF 8	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
			APPROVED

ENGRAVE "RBW109-3130-88-109"



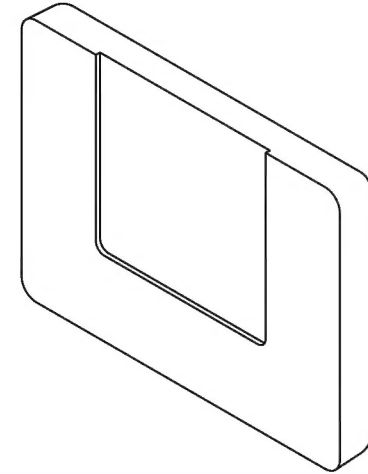
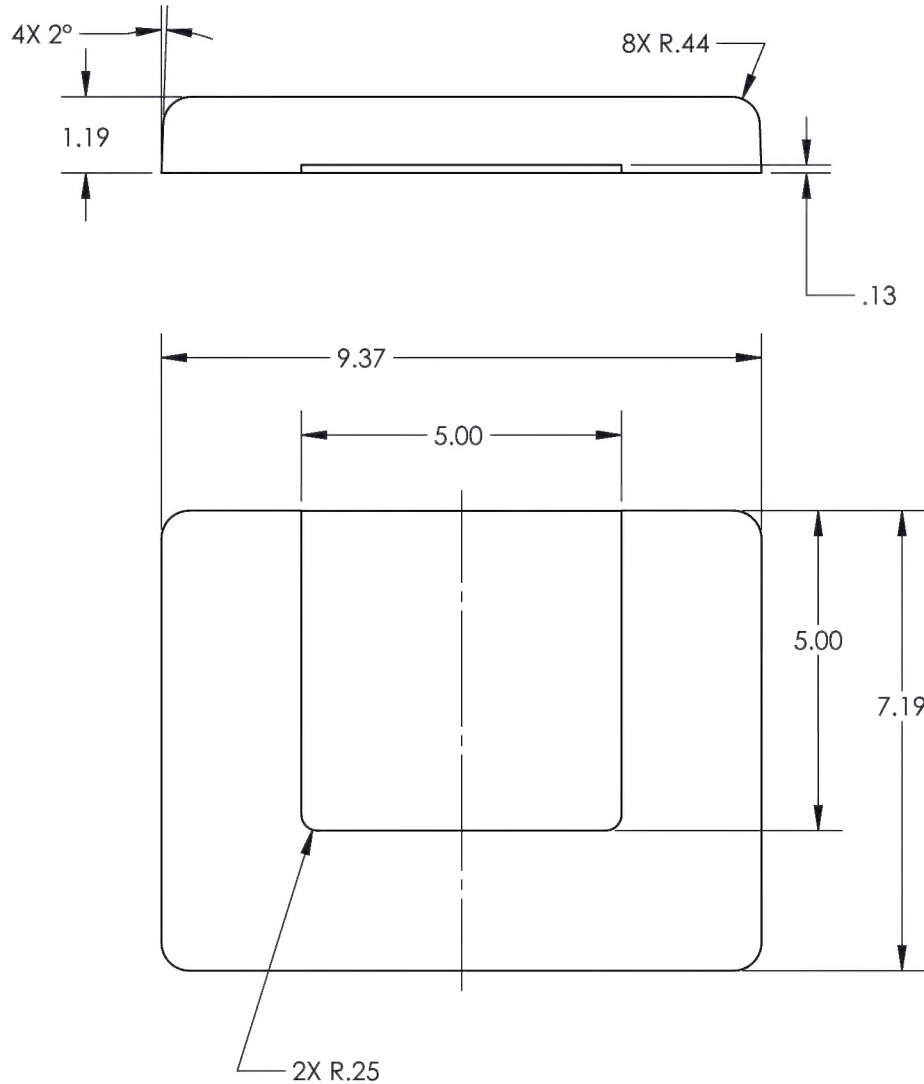
(-7)

ADAPTER

 RED BARN MACHINE	
TITLE T/R HUB TRUNNION CENTERING	
DWG NO. RBW109-3130-88-101-7	REV 1A
MAT'L 4140 Q & T	DRAWN BY: GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX \pm .005 .XX \pm .01 .X \pm .1 FRACTIONS \pm 1/32 ANGLES \pm 5°	APPROVED  HEAT TREAT CAD PLATE YELLOW SPEC QQ-P-416F, TYPE II, CLASS II USED ON MODEL AW119
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:2	DATE 1/31/2012
SHEET 5 OF 8	


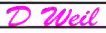
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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1A	DIM WAS 7.12 IS 7.19, CHANGED PLACARD CUTOUT DEPTH WAS .06 IS .125	1/3/2013	BIM	JG



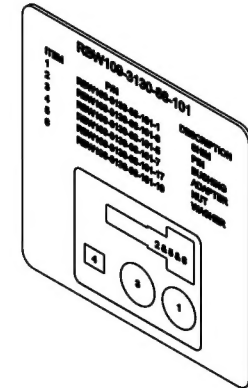
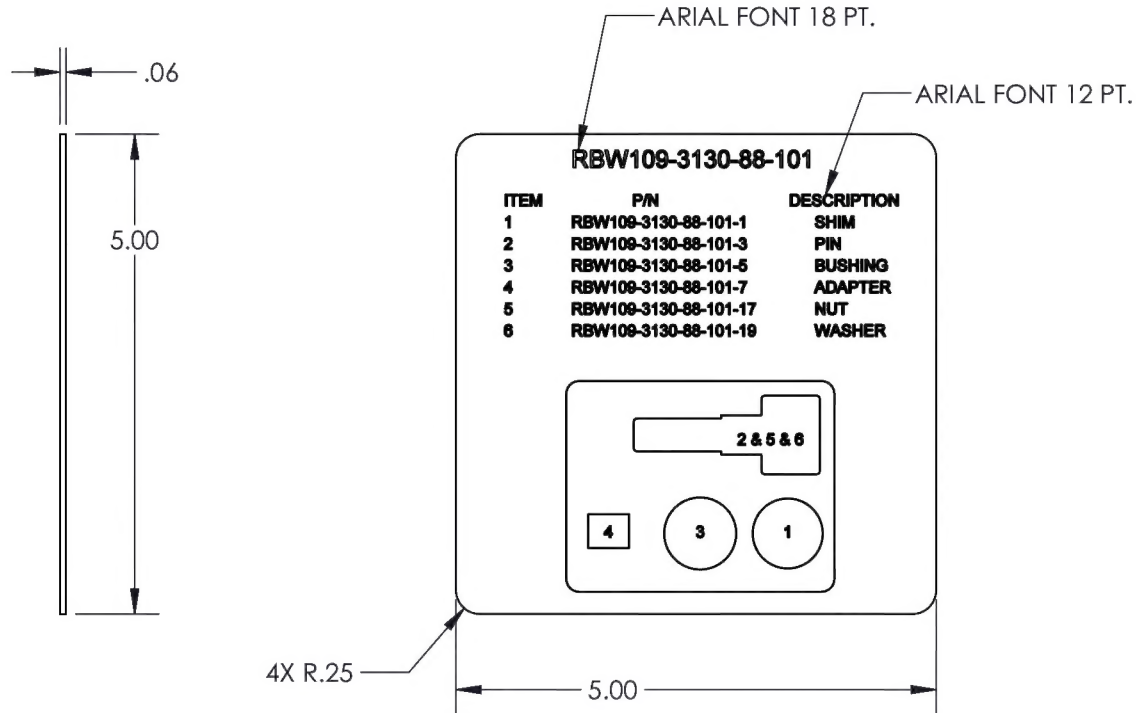
-13

TOP TOOL CUSHION



 RED BARN MACHINE	
TITLE T/R HUB TRUNNION CENTERING	
DWG NO. RBW109-3130-88-101-13	REV 1A
MAT'L C200 BLACK, FLAT	DRAWN BY: GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	APPROVED  HEAT TREAT FINISH SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL AW119
SCALE 1:3	DATE 1/31/2012
SHEET 7 OF 8	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
A	CORRECTED LAYOUT #S, 3 WAS 5, 2 & 5 & 6 WAS 1 & 5 & 6.	11/30/2012	JAG	SE



(-15)
PLACARD

 RED BARN MACHINE	
TITLE T/R HUB TRUNNION CENTERING	
DWG NO. RBW109-3130-88-101-15	REV 1A
MAT'L ALUMINUM	DRAWN BY: GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	APPROVED  HEAT TREAT FINISH SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL AW119
SCALE 1:2	DATE 1/31/2012
SHEET 8 OF 8	